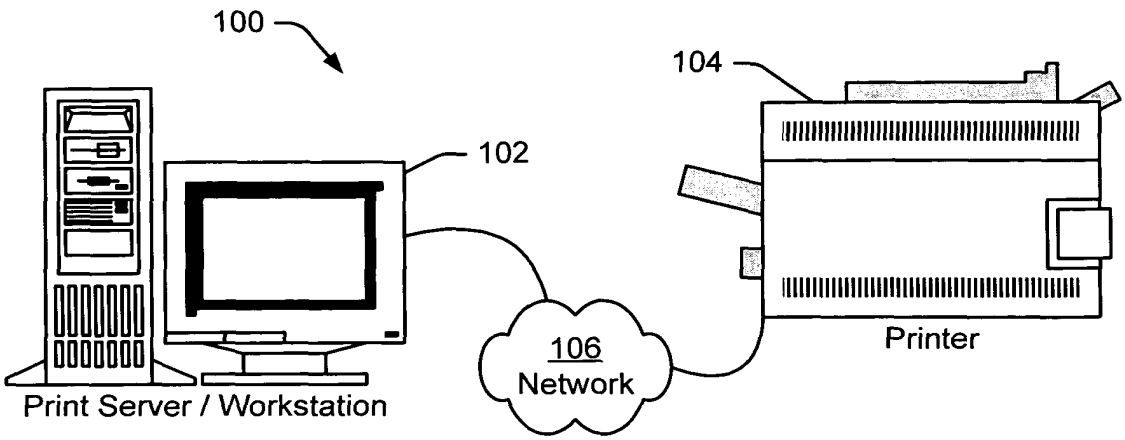
100
104
102
106
Network
Printer
Print Server / Workstation

Fig. 1

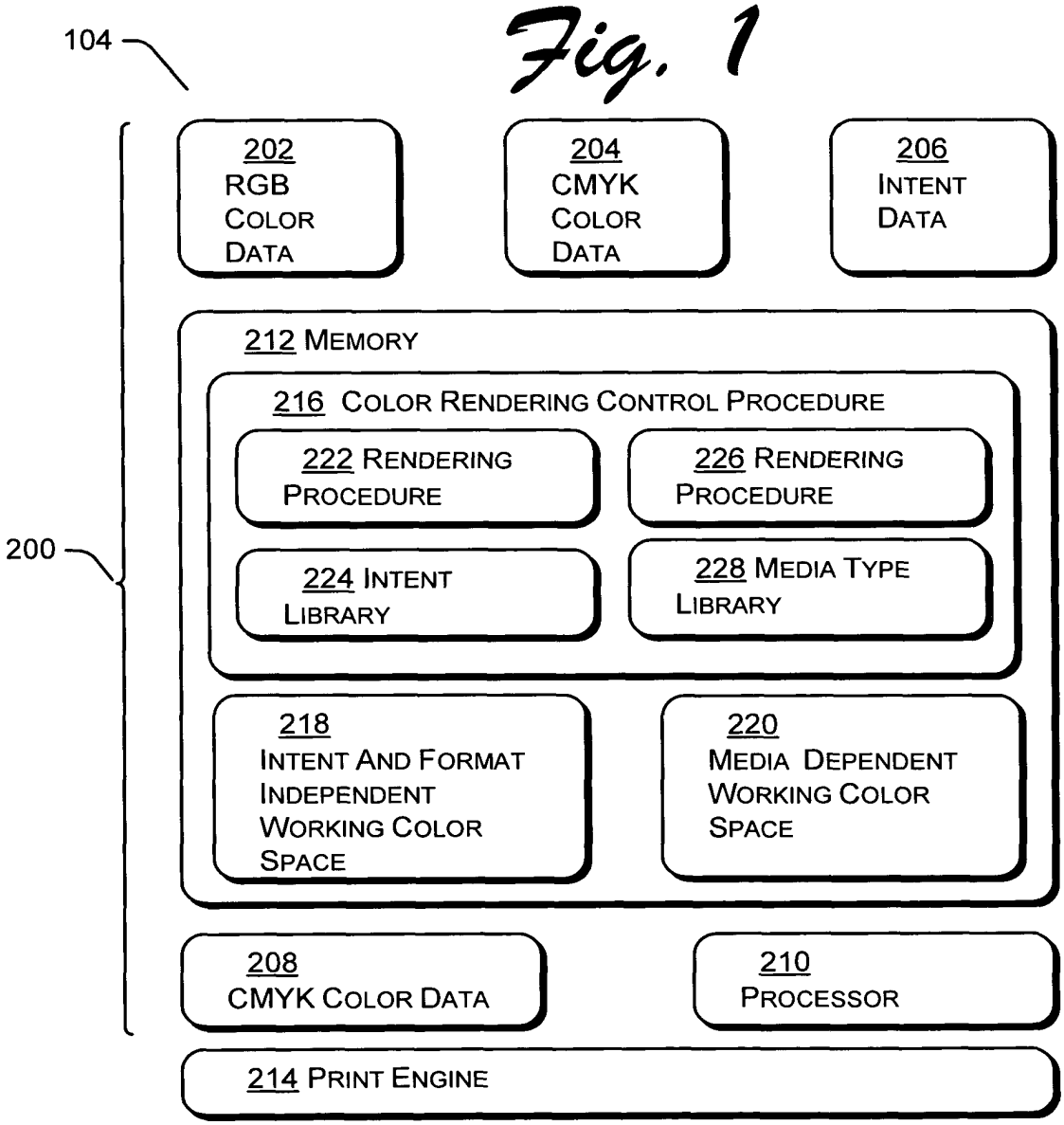
104
200
202 RGB COLOR DATA
204 CMYK COLOR DATA
206 INTENT DATA
212 MEMORY
216 COLOR RENDERING CONTROL PROCEDURE
222 RENDERING PROCEDURE
226 RENDERING PROCEDURE
224 INTENT LIBRARY
228 MEDIA TYPE LIBRARY
218 INTENT AND FORMAT INDEPENDENT WORKING COLOR SPACE
220 MEDIA DEPENDENT WORKING COLOR SPACE
208 CMYK COLOR DATA
210 PROCESSOR
214 PRINT ENGINE

Fig. 2

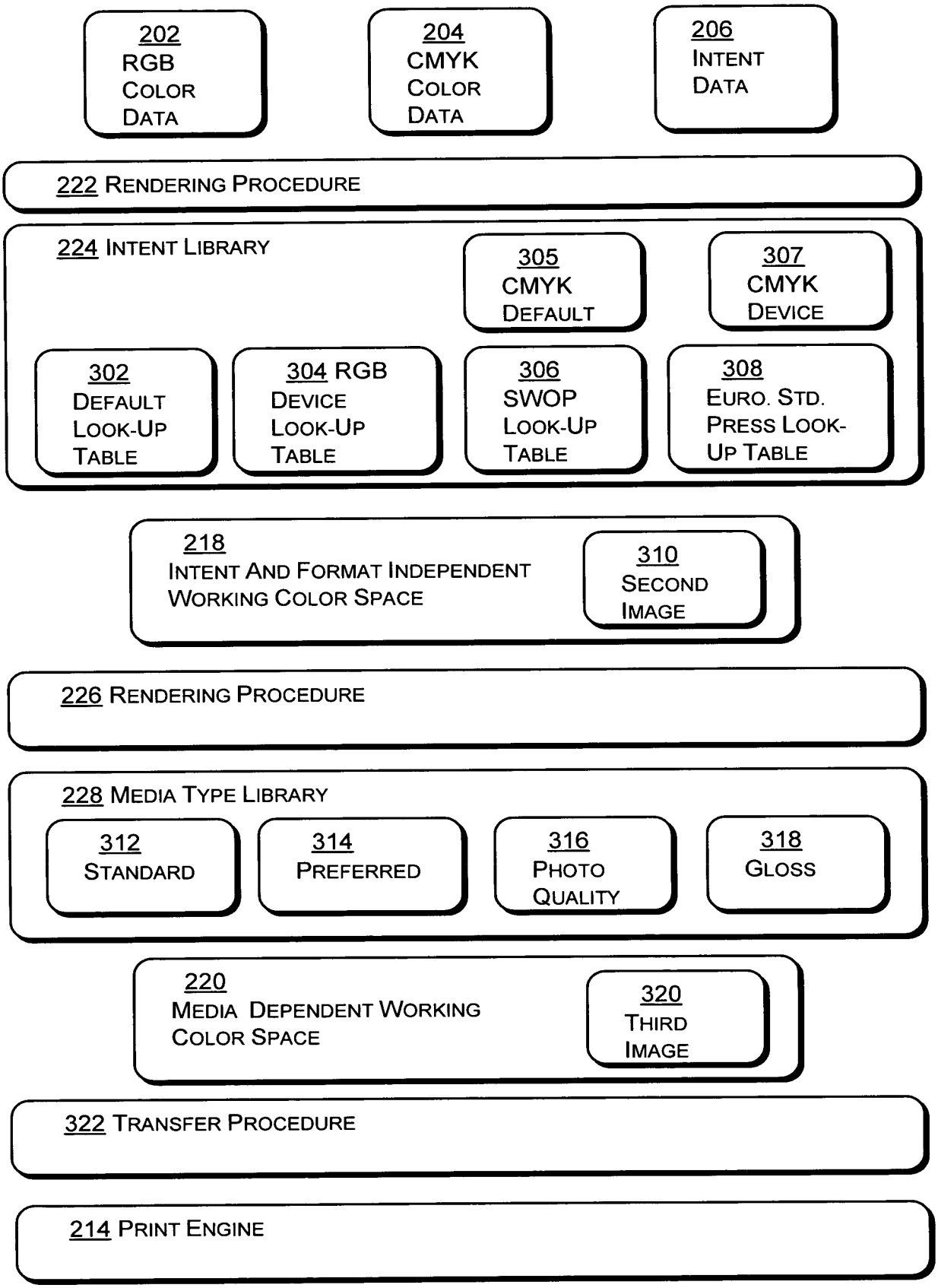
202 RGB COLOR DATA
204 CMYK COLOR DATA
206 INTENT DATA
222 RENDERING PROCEDURE
224 INTENT LIBRARY
305 CMYK DEFAULT
307 CMYK DEVICE
302 DEFAULT LOOK-UP TABLE
304 RGB DEVICE LOOK-UP TABLE
306 SWOP LOOK-UP TABLE
308 EURO. STD. PRESS LOOK-UP TABLE
218 INTENT AND FORMAT INDEPENDENT WORKING COLOR SPACE
310 SECOND IMAGE
226 RENDERING PROCEDURE
228 MEDIA TYPE LIBRARY
312 STANDARD
314 PREFERRED
316 PHOTO QUALITY
318 GLOSS
220 MEDIA DEPENDENT WORKING COLOR SPACE
320 THIRD IMAGE
322 TRANSFER PROCEDURE
214 PRINT ENGINE

Fig. 3

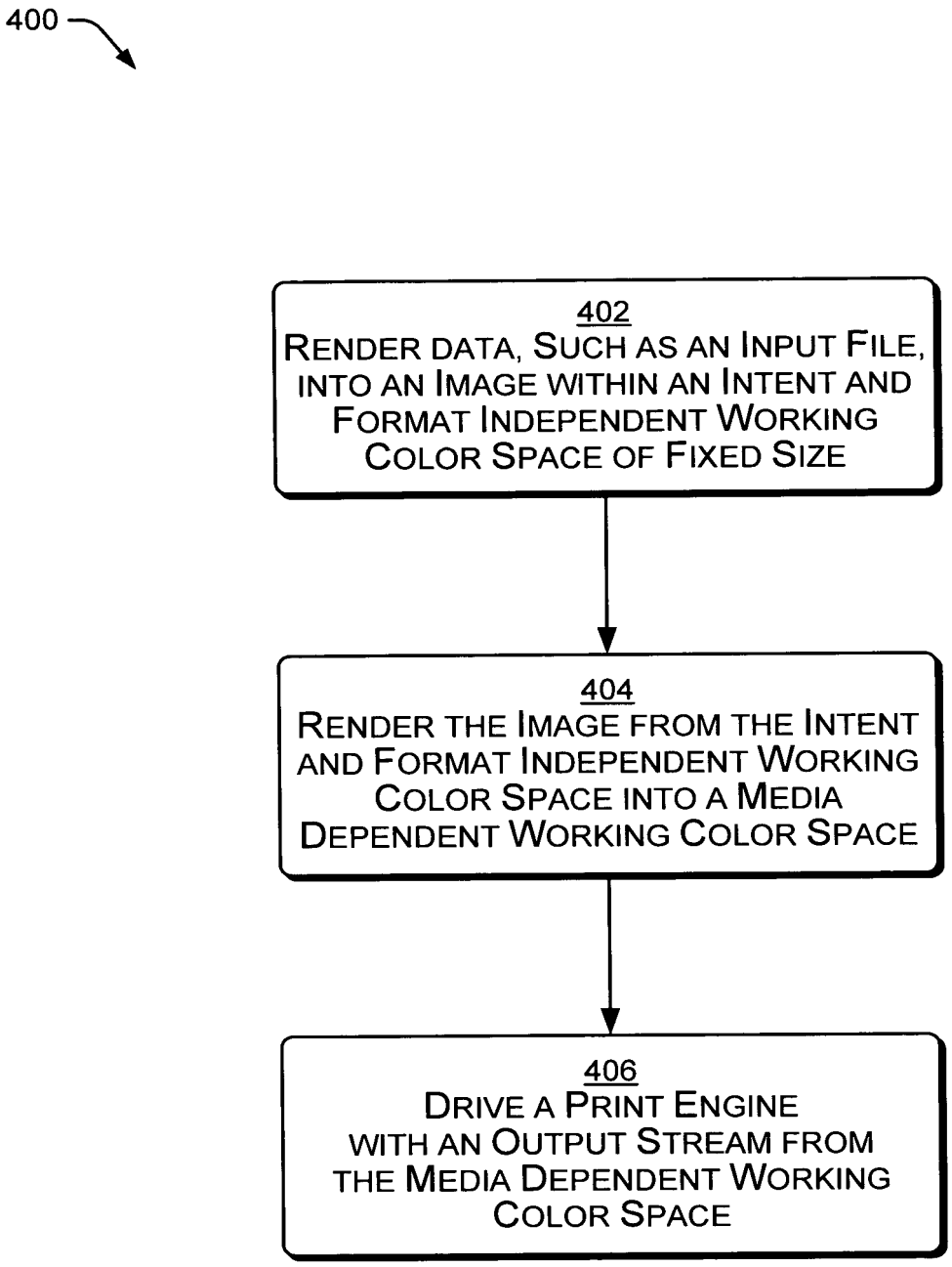
400
402
RENDER DATA, SUCH AS AN INPUT FILE, INTO AN IMAGE WITHIN AN INTENT AND FORMAT INDEPENDENT WORKING COLOR SPACE OF FIXED SIZE
404
RENDER THE IMAGE FROM THE INTENT AND FORMAT INDEPENDENT WORKING COLOR SPACE INTO A MEDIA DEPENDENT WORKING COLOR SPACE
406
DRIVE A PRINT ENGINE WITH AN OUTPUT STREAM FROM THE MEDIA DEPENDENT WORKING COLOR SPACE

Fig. 4

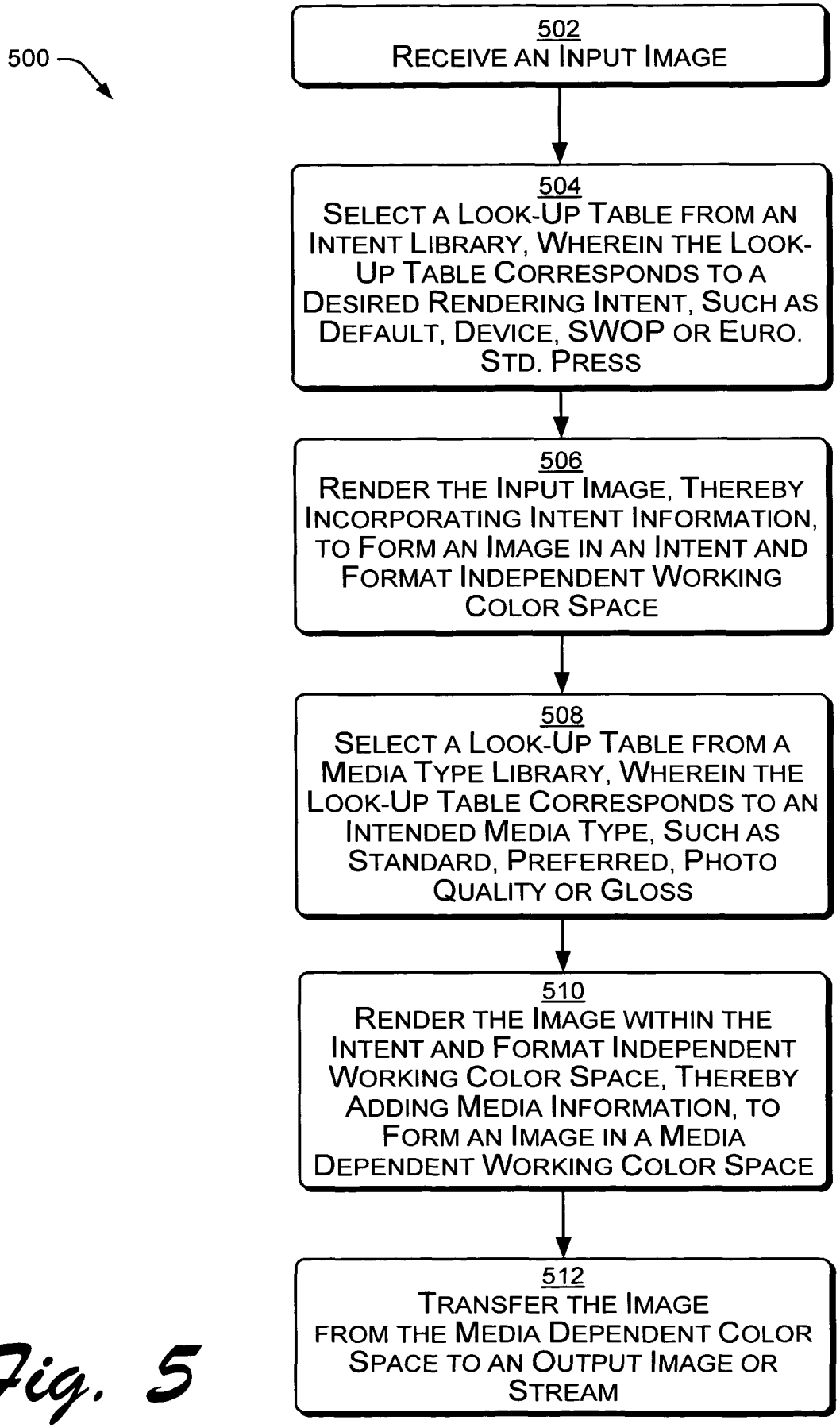
500
502
RECEIVE AN INPUT IMAGE
504
SELECT A LOOK-UP TABLE FROM AN INTENT LIBRARY, WHEREIN THE LOOK-UP TABLE CORRESPONDS TO A DESIRED RENDERING INTENT, SUCH AS DEFAULT, DEVICE, SWOP OR EURO. STD. PRESS
506
RENDER THE INPUT IMAGE, THEREBY INCORPORATING INTENT INFORMATION, TO FORM AN IMAGE IN AN INTENT AND FORMAT INDEPENDENT WORKING COLOR SPACE
508
SELECT A LOOK-UP TABLE FROM A MEDIA TYPE LIBRARY, WHEREIN THE LOOK-UP TABLE CORRESPONDS TO AN INTENDED MEDIA TYPE, SUCH AS STANDARD, PREFERRED, PHOTO QUALITY OR GLOSS
510
RENDER THE IMAGE WITHIN THE INTENT AND FORMAT INDEPENDENT WORKING COLOR SPACE, THEREBY ADDING MEDIA INFORMATION, TO FORM AN IMAGE IN A MEDIA DEPENDENT WORKING COLOR SPACE
512
TRANSFER THE IMAGE FROM THE MEDIA DEPENDENT COLOR SPACE TO AN OUTPUT IMAGE OR STREAM

Fig. 5

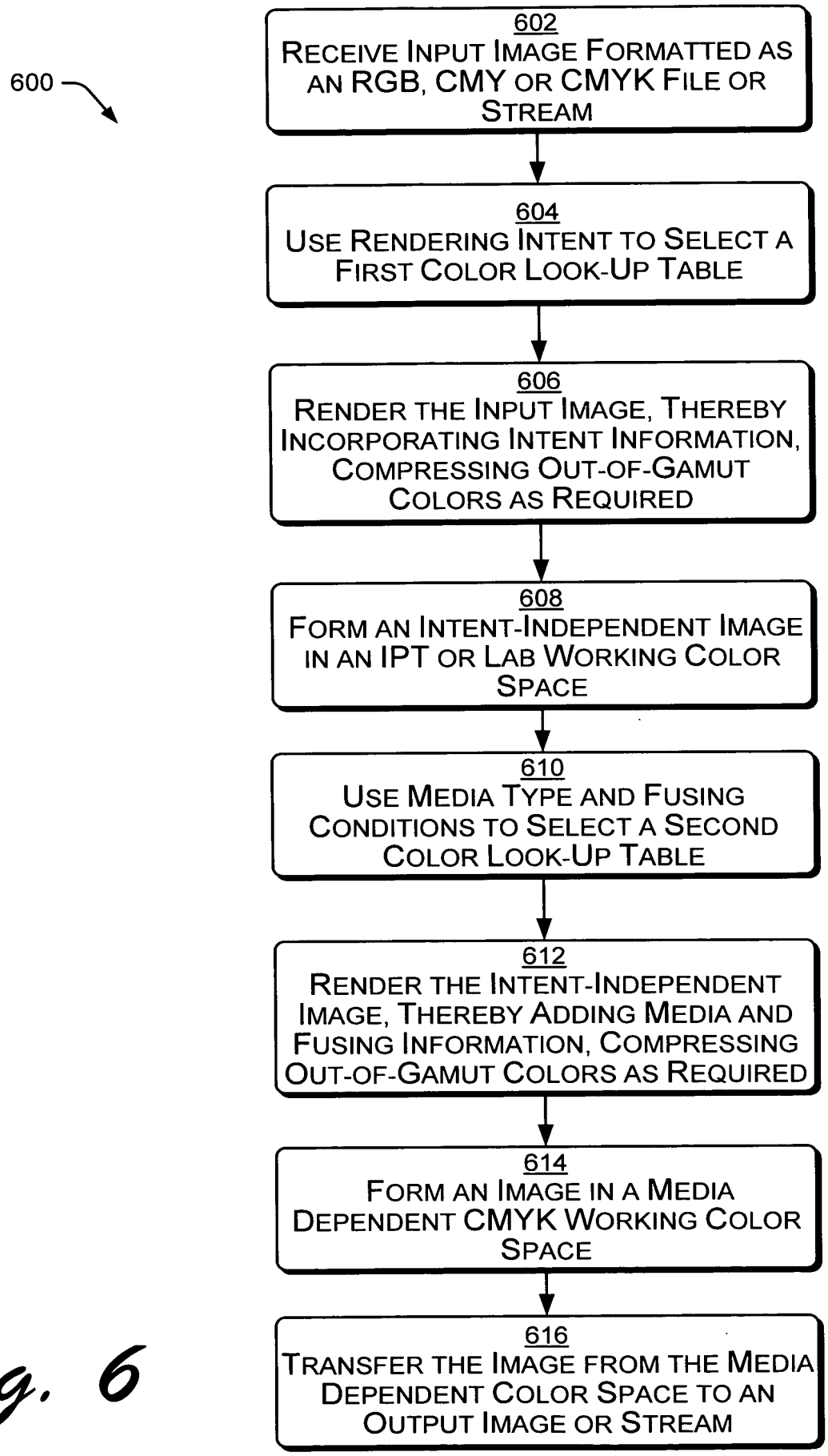
600
602
RECEIVE INPUT IMAGE FORMATTED AS AN RGB, CMY OR CMYK FILE OR STREAM
604
USE RENDERING INTENT TO SELECT A FIRST COLOR LOOK-UP TABLE
606
RENDER THE INPUT IMAGE, THEREBY INCORPORATING INTENT INFORMATION, COMPRESSING OUT-OF-GAMUT COLORS AS REQUIRED
608
FORM AN INTENT-INDEPENDENT IMAGE IN AN IPT OR LAB WORKING COLOR SPACE
610
USE MEDIA TYPE AND FUSING CONDITIONS TO SELECT A SECOND COLOR LOOK-UP TABLE
612
RENDER THE INTENT-INDEPENDENT IMAGE, THEREBY ADDING MEDIA AND FUSING INFORMATION, COMPRESSING OUT-OF-GAMUT COLORS AS REQUIRED
614
FORM AN IMAGE IN A MEDIA DEPENDENT CMYK WORKING COLOR SPACE
616
TRANSFER THE IMAGE FROM THE MEDIA DEPENDENT COLOR SPACE TO AN OUTPUT IMAGE OR STREAM

Fig. 6